

## Taiga Morishita

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### Education:

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| Purdue University, Polytechnic Institute   | 2024 - Current |
| <ul style="list-style-type: none"><li>• Majoring in Robotics Engineering Technology</li><li>• 4.0 GPA</li><li>• Two-Time Dean's List</li></ul> |                |
| Newport High School  | 2020 - 2024    |
| <ul style="list-style-type: none"><li>• Graduated with Honors</li><li>• AP Scholar with Distinction</li></ul>                                  |                |

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### Work Experience:

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| Subaru Indiana Automotive — Body Manufacturing Engineering Intern   | Summer 2025 |
| <ul style="list-style-type: none"><li>• In-Line Roof Measurement System<ul style="list-style-type: none"><li>◦ Implemented a Keyence laser profiler system to measure and report roof channels</li><li>◦ Programmed a Mitsubishi Q-Series PLC to communicate with data collection system</li></ul></li><li>• Updated ladder logic on over 100 Nachi robots to simplify dry runs</li><li>• Assisted with Engineering projects and debugged failing systems</li></ul> |             |

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### Extracurricular Activities:

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| Purdue Baja Racing — Data Acquisition (DAQ) member   | 2024 - Current |
| <ul style="list-style-type: none"><li>• Student-built, heavy-duty, competitive offroad racing</li><li>• Designed hardware for and programmed ATmega32u4, ESP32, &amp; STM32 in bare-IC form</li><li>• Designed PCBs using Altium Designer for strain gages, temperature sensors, and encoders</li><li>• Configured Raspberry Pi (Bash/Python) to use CANbus and WiFi access points</li></ul> |                |
| Purdue Performance Collaborative   | 2025 - Current |
| <ul style="list-style-type: none"><li>• Stage Manager<ul style="list-style-type: none"><li>◦ Collaborate with directors, cast, and crew to build an engaging play</li></ul></li></ul>  |                |
| FIRST Robotics Competition Team 948 - Newport Robotics Group   | 2020 - 2024    |
| <ul style="list-style-type: none"><li>• Systems VP<ul style="list-style-type: none"><li>◦ Manage 20+ student subteam to create a robust, impact-resistant electrical system</li></ul></li></ul>  |                |
| Newport High School Technical Theatre  | 2020 - 2024    |
| <ul style="list-style-type: none"><li>• Lighting Technician<ul style="list-style-type: none"><li>◦ Quickly and consistently respond to cues</li><li>◦ Troubleshoot issues on-the-fly using creative solutions</li></ul></li></ul>  |                |

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### Skills:

- CISCO Certified Network Associate (2023)
- Amazon Web Services Certified Cloud Practitioner (2024)
- Fluent in Japanese